

WHAT IS CLAIMED IS:

1 1. A ~~call-flow verification~~ method, for use with
2 an interactive audio system having a call-flow
3 verification (CFV) mode in which content of utterances
4 responsive to an incoming call is represented by coded
5 signals included in prompt signals, comprising:

6 (a) storing predetermined prompt data
7 representative of content of correct utterances to be
8 provided by the interactive audio system in response to
9 specific data inputs;

10 (b) sending a first data input responsive to a
11 first prompt signal received from the interactive audio
12 system;

13 (c) receiving a second prompt signal
14 responsive to said first data input and including coded
15 signals representing content of an utterance label; and

16 (d) comparing content of said utterance label,
17 as represented by such coded signals included in the
18 second prompt signal, against content of an expected
19 utterance label, as represented by the predetermined
20 prompt data.

1 2. A call-flow verification method as in claim 1,
2 for use with an interactive audio system having a
3 selectable CFV mode activatable by a CFV sequence code,
4 additionally comprising preceding step (b):

5 (x) via a call connection to the interactive
6 audio system, activating the CFV mode by sending the CFV
7 sequence code.

1 3. A call-flow verification method as in claim 1,
2 additionally comprising:

3 (e) ~~providing a record of discrepancies~~

4 identified by comparing content in step (d).

1 4. A call-flow verification method as in claim 1,
2 additionally comprising:

3 (e) sending a second data input responsive to
4 the second prompt signal received from the interactive
5 audio system;

6 (f) receiving a third prompt signal responsive
7 to said second data signal; and

8 (g) comparing content of an utterance label
9 represented by coded signals included in said third
10 prompt signal against the predetermined prompt data.

1 5. A call-flow verification method as in claim 1,
2 wherein said coded signals comprise DTMF signals
3 representing utterance label characters in ASCII format.

1 6. A call-flow verification method as in claim 1,
2 wherein the interactive audio system is adapted to
3 enable activation of the CVF mode by transmission of a
4 CVF mode activation command remotely to the interactive
5 audio system.

1 7. A call-flow verification method as in claim 1,
2 wherein the interactive audio system is adapted to
3 enable activation of the CVF mode on one of: a per call
4 basis; or a basis covering a plurality of calls received
5 while the CVF mode is activated.

1 8. A call-flow verification method as in claim 1,
2 wherein the interactive audio system is responsive to a
3 CFV sequence code to activate the CFV mode when said
4 mode is currently deactivated.

1 9. A call-flow verification method as in claim 1,
2 wherein the interactive audio system is an interactive
3 voice response telephone system.

1 10. A call-flow verification method as in claim 1,
2 wherein steps (b), (c), and (d) are implemented by an
3 automated call generator having access to said
4 predetermined prompt data, to script data for calls
5 placed to the interactive audio system, and to stored
6 received prompt signals.

1 11. A call-flow verification method, for use with
2 an interactive audio system having a call-flow
3 verification (CFV) mode in which content of utterances
4 responsive to an incoming call is represented by coded
5 signals included in prompt signals, comprising:

6 (a) via a call to the interactive audio
7 system, sending a first data input responsive to a first
8 prompt signal received from the interactive audio
9 system;

10 (b) via said call, receiving from the
11 interactive audio system a second prompt signal
12 responsive to said first data input; and

13 (c) comparing content of an utterance label
14 as represented by coded signals included in said second
15 prompt signal with predetermined content of a correct
16 utterance label and identifying discrepancies.

1 12. A call-flow verification method as in claim
2 11, for use with an interactive audio system having a
3 selectable CFV mode activatable by a CFV sequence code,
4 additionally comprising preceding step (a):

5 (x) via a call to the interactive audio
6 system, activating the CFV mode by sending the CFV

7 sequence code.

1 13. A call-flow verification method as in claim
2 11, wherein said coded signals comprise DTMF tones
3 representing utterance label characters in ASCII format.

1 14. A call-flow verification method comprising:

2 (a) providing an interactive voice response
3 (IVR) system having a selectable call-flow verification
4 (CFV) mode in which content of utterances responsive to
5 an incoming call is represented by coded signals
6 included in prompt signals, the CFV mode selectable by a
7 CFV sequence code;

8 (b) storing predetermined prompt data
9 representative of content of correct utterances to be
10 provided by the IVR system in response to specific data
11 inputs during incoming calls;

12 (c) activating the CFV mode by sending the
13 CFV sequence code;

14 (d) sending a first data input responsive to
15 a first prompt signal received from the interactive
16 audio system;

17 (e) receiving from the interactive audio
18 system a second prompt signal responsive to said first
19 data input; and

20 (f) comparing content of an utterance label,
21 as represented by coded signals included in said second
22 prompt signal, against content of a correct utterance
23 label as represented by predetermined prompt data.

1 15. A call-flow verification method as in claim
2 14, wherein said coded signals comprise DTMF tones
3 representing utterance label characters in ASCII format.

1 16. A call-flow verification method as in claim
2 14, additionally comprising:

3 (g) providing a record of discrepancies
4 identified in step (f).

1 17. A call-flow verification (CFV) sequence code,
2 for use with an interactive audio system providing audio
3 signals including utterances, to activate a call-flow
4 verification (CFV) mode, comprising:

5 at least one identification digit indicating
6 the CFV mode is to be activated;

7 at least one frame digit indicating whether to
8 include or exclude the utterance when providing an audio
9 signal which includes the DTMF signals representing the
10 content of such utterance; and

11 at least one extent digit identifying the
12 number of characters of an utterance which are to be
13 represented by the DTMF signals representing content of
14 that utterance.

1 18. A CFV sequence code as in claim 17, wherein
2 said at least one extent digit identifies one of: a
3 specific number of alphanumeric characters; and all of
4 such characters of said utterance.

1 19. A CFV sequence code as in claim 17, wherein
2 said at least one identification digit indicates both
3 activation of an inactive CFV mode and deactivation of a
4 previously activated CFV mode.

1 20. A CFV sequence code as in claim 17, wherein
2 said code includes two identification digits to control
3 activation of the CFV mode.

1 21. Call-flow verification apparatus, for use in
2 an interactive audio system arranged to provide prompt
3 signals including utterances to guide data entry by a
4 user, comprising:

5 an encoding circuit to provide coded signals
6 representative of content of utterances in coded format
7 for inclusion in prompt signals; and

8 an activation circuit to enable activation of
9 the encoding circuit so that prompt signals provided by
10 the system include such coded signals.

1 22. Call-flow verification apparatus as in claim
2 21, wherein the activation circuit permits selection of
3 prompt signals comprising one of: a combination of an
4 utterance and coded signals representative of content
5 thereof; and coded signals representative of an
6 utterance, without inclusion of such utterance.

1 23. Call-flow verification apparatus as in claim
2 21, wherein the activation circuit enables activation of
3 the encoder to cause the coded signals included in a
4 prompt signal to represent all characters of an
5 utterance label represented by such coded signals.

1 24. Call-flow verification apparatus as in claim
2 21, wherein the encoding circuit provides coded signals
3 comprising DTMF signals representing utterance
4 characters in ASCII format.